

182721

From: Steadman, David (AU1652)  
Sent: Tuesday, March 21, 2006 8:43 AM  
To: STIC-Biotech/ChemLib  
Subject: 10/617,334 sequence search request

NAME: David Steadman  
AU: 1656  
Date: 3/21/06  
Office: Remsen 2B05  
Mailbox: Remsen 3C70

**Please search the following sequence in commercial databases:**

- 1) Standard search of amino acids 1-60 of SEQ ID NO:1 against nucleic acid databases.
- 2) Standard search of amino acids 1-60 of SEQ ID NO:1 against amino acid databases.

*Please save results to diskette.*

Thank you very much.

David J. Steadman, Ph.D.  
Primary Examiner  
Art Unit 1656  
Protein Crystallography and Recombinant Enzymes  
Office: Remsen 2B05  
Mailbox: Remsen 3C70  
Phone: (571) 272-0942

\*\*\*\*\*  
Searcher: \_\_\_\_\_  
Searcher Phone: \_\_\_\_\_  
Date Searcher Picked up: \_\_\_\_\_  
Date completed: \_\_\_\_\_  
Searcher Prep Time: \_\_\_\_\_  
Online Time: \_\_\_\_\_

\*\*\*\*\*  
Type of Search  
NA# \_\_\_\_\_ AA#: \_\_\_\_\_  
S/L: \_\_\_\_\_ Oligomer: \_\_\_\_\_  
Encode/Transl: \_\_\_\_\_  
Structure #: \_\_\_\_\_ Text: \_\_\_\_\_  
Inventor: \_\_\_\_\_ Litigation: \_\_\_\_\_

\*\*\*\*\*  
Vendors and cost where applicable  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
QUESTEL/ORBIT: \_\_\_\_\_  
LEXIS/NEXIS: \_\_\_\_\_  
SEQUENCE SYSTEM: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (Specify): \_\_\_\_\_

Search Strategy for 10/617,334

(FILE 'HOME' ENTERED AT 17:59:27 ON 26 MAY 2006)

FILE 'REGISTRY' ENTERED AT 17:59:41 ON 26 MAY 2006  
E "GLYBURIDE"/CN 25

L1 2 S E3 OR E4  
E "ABCA1"/CN 25  
L2 2 S E2 OR E4  
E "ABC1"/CN 25

FILE 'MEDLINE, AGRICOLA, CAPLUS, BIOSIS, EMBASE, WPIDS' ENTERED AT  
18:01:22 ON 26 MAY 2006

L3 3376 S ABCA1 OR ABC1  
L4 809 S L3 AND (CARDIOVASCULAR OR HEART OR CORONARY)  
L5 330 S L4 AND (TREAT? OR PREVENT?)  
L6 18 S L5 AND (LIPID (W) TRANSPORT)  
L7 12 DUP REM L6 (6 DUPLICATES REMOVED)  
L8 269 S L4 AND ((LIPID (W) TRANSPORT) OR (CHOLESTEROL (W) EFFLUX))  
L9 160 DUP REM L8 (109 DUPLICATES REMOVED)  
L10 97 S L9 AND HDL  
L11 43 S L9 AND HDL-CHOLESTEROL  
L12 34 S L10 AND (CORONARY (W) ARTERY (W) DISEASE)  
L13 222 S L3 AND (CARDIOVASCULAR (W) DISEASE)  
L14 1 S L1 AND ((CARDIOVASCULAR (W) DISEASE) AND HDL AND (CORONARY (W  
L15 19 S L1 AND ((CARDIOVASCULAR (W) DISEASE) AND HDL)  
L16 7 S L1 AND (LOW (W) HDL)  
L17 23 S L14 OR L15 OR L16  
L18 21 DUP REM L17 (2 DUPLICATES REMOVED)  
L19 0 S L18 AND L3

FILE 'CAPLUS' ENTERED AT 18:09:35 ON 26 MAY 2006  
E HAYDEN M R/AU 25

L20 37 S (E3 OR E42) AND (ABC1 OR ABCA1)  
L21 36 S (E3 OR E42) AND ((ABC1 OR ABCA1) AND (CHOLESTEROL OR HDL OR C  
E BROOKS WILSON A R/AU 25  
L22 11 S (E3 OR E4 OR E5 OR E6) AND ((ABC1 OR ABCA1) AND (CHOLESTEROL  
E PIMSTONE S N/AU 25  
L23 17 S (E3 OR E4 OR E5)  
L24 5 S (E3 OR E4 OR E5) AND ((ABC1 OR ABCA1) AND (CHOLESTEROL OR HDL  
L25 36 S L21 OR L22 OR L24

=>

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3	"6713300".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 12:15
S2	2114	glyburide	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/24 10:40
S3	724	(glyburide or DIDS or sulphobromophthaleine) and (cardiovascular adj disease)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/24 10:46
S4	144	(glyburide or DIDS or sulphobromophthaleine) and (cardiovascular adj disease)	USPAT	OR	OFF	2006/05/24 10:46
S5	0	S3 and (glyburide or DIDS or sulphobromophthaleine).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/24 10:46
S6	125	S3 and (glyburide or DIDS or sulphobromophthaleine).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/24 14:43
S7	2	"6015541".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/24 14:46
S8	100229	polyvinylacetate or (cellulose adj acetate adj butyrate) or nitrocellulose or (urethane near2 carbonate) or (styrene near2 maleic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/24 14:49
S9	24152	S8 and (gold or tungsten or platinum)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/24 14:49
S10	4497	S9 and (dimethylsulfoxide or dmso)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/24 14:49
S11	7915	(polyvinylacetate or (cellulose adj acetate adj butyrate) or nitrocellulose or (urethane near2 carbonate) or (styrene near2 maleic)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/24 14:49
S12	430	S11 and (gold or tungsten or platinum).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/24 14:49

## EAST Search History

S13	34	S12 and (dimethylsulfoxide or dmso). clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/24 14:50
S14	25	S13 and contrast	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/24 15:06
S15	2	"6756031".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/24 15:37
S16	849	tetrahymena adj thermophila	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/24 15:38
S17	8	S16 and squalene	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/24 15:40
S18	0	S16 and tetrahymenol	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/24 15:40
S19	8	S16 and tetrahymanol	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/24 15:40
S20	48	S16 and cyclase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/25 06:54
S21	463	lanolin and ((guerbet adj alcohol) or (secondary adj alcohol))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/25 06:55
S22	3	lanolin near5 ((guerbet adj alcohol) or (secondary adj alcohol))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/25 07:06
S23	2	"6630134"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/25 06:56
S24	17	lanolin and ((guerbet adj alcohol) or (secondary adj alcohol)) and transesterification	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/25 08:12

## EAST Search History

S25	32	(abca1 or abc1) and (hayden.in. or wilson.in. or pimstone.in. or brooks.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 13:12
S26	13	S25 and (cardiovascular.clm. or coronary.clm. or hdl.clm.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 12:16
S27	2007	Glibenclamide	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 13:12
S28	167	S27.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 13:13
S29	16	S27.clm. and cardiovascular.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 13:14
S30	260	S27 and cardiovascular and coronary and hdl	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 13:14
S31	241	S30 and (method near5 (treating or treatment))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 13:17
S32	19	S30 not S31	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 13:19
S33	3506	glyburide or Glibenclamide or Glybenclamide or Daonil or Diabeta or HB-419 or HB419 or HB-420 or HB420 or Maninil or Micronase or Neogluconin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 15:46
S34	526	S33.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 13:22
S35	123	S34 and coronary	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 13:22
S36	45	S35 and (coronary adj artery)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 13:31

## EAST Search History

S37	526	S33.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 13:32
S38	118	S37 and hdl\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 13:32
S39	114	S38 and cholesterol	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 14:42
S40	25	S38 and hdl\$.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 13:32
S41	0	"199836755".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 14:46
S42	2	"9836755".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 14:49
S43	7	whitcomb.in. and glitazone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 15:34
S44	29	(animal adj model) near2 (diabetes adj mellitus)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 15:36
S46	5187	(animal adj model) and (diabetes adj mellitus)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 15:36
S47	2397	(mouse adj model) and (diabetes adj mellitus)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 15:36
S48	126	model near2 (diabetes adj mellitus)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 15:37
S49	0	mouse and glyburide near2 (diabetes adj mellitus)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 15:37

## EAST Search History

S50	597	mouse and glyburide and (diabetes adj mellitus)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 15:38
S51	38	mouse and glyburide.clm. and (diabetes adj mellitus)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 15:41
S52	67	mouse and glyburide.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 15:43
S53	0	(NOD adj mouse) and glyburide.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 15:43
S54	12	(NOD adj mouse) and glyburide	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 15:44
S55	3506	glyburide or Glibenclamide or Glibenclamide or Daonil or Diabeta or HB-419 or HB419 or HB-420 or HB420 or Maninil or Micronase or Neogluconin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 15:46
S56	816	S55 and mouse and (diabetes adj mellitus)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 15:46
S57	51	S55.clm. and mouse and (diabetes adj mellitus)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 15:55
S58	1	S55.clm. and mouse.clm. and (diabetes adj mellitus)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 15:50
S59	96	S55.clm. and (mouse or mice or murine) and (diabetes adj mellitus)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 15:57
S60	58	S59 not S51	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 15:56
S61	515	S55 and (mouse or mice or murine) and ((diabetes adj mellitus) and NIDDM)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 15:58

## EAST Search History

S62	67	S55.clm. and (mouse or mice or murine) and ((diabetes adj mellitus) and NIDDM)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 15:58
S63	129	S55.clm. and (mouse or mice or murine) and ((diabetes adj mellitus) or NIDDM)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 15:59
S64	33	S63 not (S58 or S59)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 16:15
S65	3506	glyburide or Glibenclamide or Glybenclamide or Daonil or Diabeta or HB-419 or HB419 or HB-420 or HB420 or Maninil or Micronase or Neogluconin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 16:16
S66	425	(animal adj model) and (mouse or mice or murine) and ((diabetes adj mellitus) or niddm) and S65	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 16:18
S67	16	(animal adj model) and (mouse or mice or murine) and ((diabetes adj mellitus) or niddm) and S65.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 16:16
S68	29	(animal adj model) and (mouse or mice or murine) and ((diabetes adj mellitus) or niddm).clm. and S65	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/26 16:18



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<a href="#"><u>#50</u></a>	<b>Search "Mice"[MeSH]</b> Limits: <b>Publication Date to 1999/03/15</b>	16:20:54	<a href="#"><u>526874</u></a>
<a href="#"><u>#49</u></a>	<b>Search #44 and #13</b> Limits: <b>Publication Date to 1999/03/15</b>	16:14:13	<a href="#"><u>4</u></a>
<a href="#"><u>#44</u></a>	<b>Related Articles for PubMed (Select 7489831)</b>	16:13:54	<a href="#"><u>499</u></a>
<a href="#"><u>#48</u></a>	<b>Search model mouse niddm glyburide</b> Limits: <b>Publication Date to 1999/03/15</b>	16:13:40	<a href="#"><u>3</u></a>
<a href="#"><u>#47</u></a>	<b>Search animal model mouse niddm glyburide</b> Limits: <b>Publication Date to 1999/03/15</b>	16:11:57	<a href="#"><u>5</u></a>
<a href="#"><u>#46</u></a>	<b>Search animal model mouse niddm</b> Limits: <b>Publication Date to 1999/03/15</b>	16:11:44	<a href="#"><u>196</u></a>
<a href="#"><u>#43</u></a>	<b>Search ueda nsy model</b> Limits: <b>Publication Date to 1999/03/15</b>	16:08:41	<a href="#"><u>2</u></a>
<a href="#"><u>#33</u></a>	<b>Search #13 AND #7 AND (mouse or mice)</b> Limits: <b>Publication Date to 1999/03/15</b>	16:01:13	<a href="#"><u>26</u></a>
<a href="#"><u>#24</u></a>	<b>Search #19 AND #13</b> Limits: <b>Publication Date to 1999/03/15</b>	13:10:50	<a href="#"><u>350</u></a>
<a href="#"><u>#20</u></a>	<b>Search #19 AND #13</b>	13:09:58	<a href="#"><u>589</u></a>
<a href="#"><u>#21</u></a>	<b>Search #20 AND (#10 OR #9)</b>	13:09:31	<a href="#"><u>4</u></a>
<a href="#"><u>#19</u></a>	<b>Search "Cardiovascular Diseases"[MeSH]</b>	13:08:46	<a href="#"><u>1330381</u></a>
<a href="#"><u>#14</u></a>	<b>Search #13 AND #11</b>	13:07:15	<a href="#"><u>38</u></a>

<u>#13</u> Search "Glyburide"[MeSH]	13:06:54	<u>4299</u>
<u>#11</u> Search #7 AND (#9 OR #10)	13:06:37	<u>2300</u>
<u>#10</u> Search "Lipoproteins, HDL Cholesterol"[MeSH]	13:06:18	<u>14163</u>
<u>#9</u> Search "Lipoproteins, HDL"[MeSH]	13:06:02	<u>24211</u>
<u>#7</u> Search "Diabetes Mellitus"[MeSH]	13:05:41	<u>198110</u>
<u>#4</u> Related Articles for PubMed (Select 11097426)	06:47:24	<u>101</u>
<u>#2</u> Search #1 AND review	06:46:44	<u>23</u>
<u>#1</u> Search methods for modulating transcription	06:46:07	<u>248</u>

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## 1: Glyburide

An antidiabetic sulfonylurea derivative with actions similar to those of chlorpropamide.

Year introduced: 1992

**Subheadings:** This list includes those paired at least once with this heading in MEDLINE and may not reflect current rules for allowed combinations.

administration and dosage     adverse effects     analogs and derivatives     analysis     antagonists and inhibitors     blood     chemical synthesis     chemistry     contraindications     diagnosis     economics     immunology     isolation and purification     metabolism     pharmacokinetics     pharmacology     physiology     poisoning     standards     therapeutic use     toxicity     urine

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Registry Number: 10238-21-8

Entry Terms:

- Glibenclamide
- Glybenclamide
- Daonil

- Diabeta
- Euglucon 5
- Euglucon N
- HB-419
- HB 419
- HB419
- HB-420
- HB 420
- HB420
- Maninil
- Micronase
- Neogluconin

Previous Indexing:

- Hypoglycemic Agents (1966-1970)

Pharmacologic Action:

- Anti-Arrhythmia Agents
- Hypoglycemic Agents

All MeSH Categories

Chemicals and Drugs Category

Organic Chemicals

Sulfur Compounds

Sulfones

Sulfonylurea Compounds

**Glyburide**

All MeSH Categories

Chemicals and Drugs Category

Organic Chemicals

Urea

Sulfonylurea Compounds

**Glyburide**

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